

SDMS# 964991

Author file
(Brown)



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JUL 07 1988

Ref: 8HWM-RI

Mr. Bruce Venable
Environmental Specialist
Ireco, Inc.
Eleventh Floor, Crossroads Tower
Salt Lake City, UT 84144

RE: Test Method to Determine
Reactivity of Explosively
Contaminated Soils

Dear Mr. Venable:

In our comments to Utah on the closure plans for site A, we mention two test methods, the "gap test" and the "detonation/deflagration transition (DDT) test" for determining explosivity in soils that we learned of from EPA Headquarters. We have received the procedure for the gap test and are in the process of obtaining a copy of the DDT test.

On July 8, 1988, you requested that we provide you with a copy of the test procedures we have received from EPA Headquarters. You will find the gap test plan attached, minus several drawings (figures 1 and 2). The DDT test procedure will be sent to you as soon as we receive it. If we receive the figures, we will send them to you.

The gap test is part of a test plan submitted by the U.S. Army Toxic and Hazardous Material Agency (USATHMA) as a method to determine the reactivity due to explosive properties in soils. EPA has reviewed this plan and concurs with USATHMA that negative results in the battery of tests outlined in the plan would be adequate proof that the soil sample is not a reactive waste (see attached letter from David Friedman to Betty Willis, September 21, 1981). Please note that Region VIII has no direct experience with any soil explosivity test.

25 7-6-88

Waggoner
2/7/88

At our meeting on June 21, 1988, you said that you would provide us with chemical reaction explosive data for ANFO. We would appreciate receiving this information if it is available.

Please contact Terry Brown at (303) 293-1823 if you have any questions regarding this matter.

Sincerely yours,

Lawrence A. Wapensky, Chief
Utah/North Dakota Section

Attachments

cc: W. Sinclair, UDH
J. Wong, 8HWM-RI

FCD:July 6, 1988:TBROWN.Venable/lis